BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for :-

Providing open gym in parks of yelahanka 3rd Phase in Ward No-04.

Estimated cost Rs.25.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	Earth work in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.(S.R.of PWD 2016-17, P.No.5, I.No.2.2)								
	Dhara Bendre Park								
	open gym platform	1	9.50	7.70	0.35	25.60			
	Platform approach	1	10.20	2.00	0.30	6.12			
					Total	**31.72**	233.20	Cum	7397.69
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
2	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4)								
	Kerb stoneS:- For Platform	2	9.50	0.30	0.25	1.43			
		2	7.40	0.30	0.25	1.11			
	Approach	2	10.20	0.30	0.20	1.22			
	Seated chest press	1	0.65	0.50	0.60	0.20			
	Waist twister	4	0.50	0.50	0.60	0.60			
	Rider	1	0.50	0.50	0.60	0.15			
	Arm & Pedal Bike	1	0.50	0.50	0.60	0.15			
	HD Health walker	2	0.50	0.50	0.60	0.30			
	Self weighted rower	1	0.50	0.50	0.60	0.15			
	Elliptical Corss trainer	1	0.50	0.50	0.60	0.15			
	Tai Chi Spinner	1	0.50	0.50	0.60	0.15			
	Bicycle	1	0.50	0.50	0.60	0.15			
	For Instruction Manual	2	0.50	0.50	0.50	0.25			
						6.00			
	(-)Approach portion	1	1.70	0.30	0.20	0.10			
						5.90	200.34	Cum	1,182.00
	Basic rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
3	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								
	open gym platform	1	9.20	7.40	0.20	13.62			
	Platform approach	1	10.20	1.70	0.20	3.47			
					Total	**17.08**	80.56	Cum	1,376.00
	Basic Rate	76.00							
	Area weightage @ 6%	4.56							
	Total	80.56							
4	Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P. No. 25 I. No.5.29.2								
	Kerb stone	2	9.50			19.00			
		2	7.40			14.80			
	For Approach	2	10.20			20.40			
	Missing Kerb	1	50.00			50.00			
						104.20			
	(-)Approach portion	1	1.70			1.70			
						102.50			
	1kerb=0.45 mt			227.78		**228.00**	385.84	Nos	87971.52

	Basic Rate	364.00								
	Area weightage @ 6%	21.84								
	Total	385.84								
5	Providing and laying in position plain cement concrete of Mix CC 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3)									
	Dhara Bendre park:-Open gym platform	1	9.20	7.40	0.15	10.21				
	Platform Approach	1	10.20	1.70	0.15	2.60				
	Kerb stoneS:- For Platform	2	9.50	0.30	0.15	0.86				
		2	7.40	0.30	0.15	0.67				
	Approach	2	10.20	0.30	0.15	0.92				
	Missing Kerbs	1	50.00	0.30	0.15	2.25				
	Seated chest press	1	0.65	0.50	0.15	0.05				
	Waist twister	4	0.50	0.50	0.15	0.15				
	Rider	1	0.50	0.50	0.15	0.04				
	Arm & Pedal Bike	1	0.50	0.50	0.15	0.04				
	HD Health walker	2	0.50	0.50	0.15	0.08				
	Self weighted rower	1	0.50	0.50	0.15	0.04				
	Elliptical Corss trainer	1	0.50	0.50	0.15	0.04				
	Tai Chi Spinner	1	0.50	0.50	0.15	0.04				
	Bicycle	1	0.50	0.50	0.15	0.04				
	For Instruction Manual	2	0.50	0.50	0.15	0.08				
					Total	**18.08**	5159.02	Cum	93253.16	
	Basic Rate	4867.00								
	Area Weightage @ 6%	292.02								
	Total	5159.02								
6	KSRB4-1.5:-Providing and laying in positionp lain cement concrete of Mix M20 with opc cement @300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.5)									
	Dhara Bendre park:-Open gym platform	1	9.20	7.40	0.12	8.17				
	Platform Approach	1	10.20	1.70	0.12	2.08				
	Kerb stoneS:- For Platform	2	9.50	0.08	0.10	0.14				
	0	2	7.40	0.08	0.10	0.11				
	Approach	2	10.20	0.08	0.10	0.15				
	Step	1	1.70	0.45	0.15	0.11				
	Seated chest press	1	0.65	0.50	0.60	0.20				
	Waist twister	4	0.50	0.50	0.60	0.60				
	Rider	1	0.50	0.50	0.60	0.15				
	Arm & Pedal Bike	1	0.50	0.50	0.60	0.15				
	HD Health walker	2	0.50	0.50	0.60	0.30				
	Self weighted rower	1	0.50	0.50	0.60	0.15				
	Elliptical Corss trainer	1	0.50	0.50	0.60	0.15				
	Tai Chi Spinner	1	0.50	0.50	0.60	0.15				
	Bicycle	1	0.50	0.50	0.60	0.15				
	For Instruction Manual	2	0.50	0.50	0.45	0.23				
					Total	**12.99**	5874.52	Cum	76319.71	
	Basic Rate	5542.00								
	Area Weightage @ 6%	332.52								
	Total	5874.52								
7	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. P.109, I. No.14.62									
	Dhara Bendre park:-Open gym platform	1	9.20	7.40		68.08				
	Platform Approach	1	9.85	1.70		16.75				
					Total	**84.83**	1116.18	sqmt	94,680.00	
	Basic Rate	1053.00								
	Area weightage @ 6%	63.18								
	Total	1116.18								

	Removing and resetting of Kerb stone I:34.18								
	Park area	2	250.00			500.00			
	missing kerbs(10% of quantity)					50.00			
					Total	**450.00**	65.72	Mtr	29,574.00
	Basic Rate	62.00							
	Area weightage @ 6%	3.72							
	Total	65.72							
9	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.								
	Kerb stone	2	9.50		0.45	8.55			
		2	7.40		0.45	6.66			
	Approach	2	10.20		0.45	9.18			
	Missing Kerb	1	50.00		0.35	17.50			
						41.89			
	(-)Approach portion	1	1.70		0.45	0.77			
					Total	**41.13**	27.56	sqmt	1,133.00
	Basic Rate	26.00							
	Area weightage @ 6%	1.56							
	Total	27.56							
10	KSRRB M2700- Painting on Concrete Surface KSRRB M2700-12. Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint at of 1 litre for 2 sqm complete as per specifications MORTH Specification No. 800								
	Kerb stone	2	9.50		0.45	8.55			
		2	7.40		0.45	6.66			
	For Approach	2	10.20		0.45	9.18			
	Park area	2	250.00		0.35	175.00			
	For seating benches	54	1.50	0.40		32.40			
	For Resting	54	1.50	0.45		36.45			
	For Legs	108	2.00		0.10	21.60			
					Total	**289.84**	66.78	sqmt	19,356.00
	Basic Rate	63.00							
	Area weightage @ 6%	3.78							
	Total	66.78							
11	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16).								
	Dust Bins	10	0.13	0.60		0.75			
		20	1.00	0.10		2.00			
	For Gaziboo:-vertical poles	6	0.65		2.40	9.36			
	Hexagan shape purlins	6	3.00	0.235		4.23			
	Traingle shape purlins	6	3.90	0.125		2.93			
		6	3.90	0.125		2.93			
		120	0.00+3.9	0.075		17.55			
			2						
	Traingle shape center purlins	6	3.50	0.075		1.58			
					Total	**41.32**	86.92	sqmt	3,591.00
	Basic Rate	82.00							
	Area weightage @ 6%	4.92							
	Total	86.92							

	Supply and fixing of **Seated Chest Press**. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All products must carry a GS mark on it.. Size_L x W x H): 1955 x 733 x 2058 mm. Weight: 86.6 Kg Safety Area: 5545 x 4470 mm Capacity_2 Persons.				
	1	1.00	230000	No,s	230,000.00
13	Supply and fixing of **Elliptical Cross Trainer.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1267 x 582 x 1764 mm. Weight: 43.5 Kg Safety Area: 4322 x 3632 mm Capacity_1 Person.				-
	1	1.00	140000	No,s	140,000.00
14	Supply and Fixing of **Tai Chi Spinners**. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1120 x 1150 x 1620 mm. Weight: 39 Kg Safety Area: 3520 x 3550 mm Capacity_3 Persons.				
	1	1.00	115000	No,s	115,000.00
15	Supply and Fixing of **Bicycle.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Size_L x W x H): 1000 x 498 x 1290 mm. Weight: 51.5 Kg Safety Area: 3400 x 3498 mm Capacity_1 Persons.				
	1	1.00	125000	No,s	125,000.00

	Supply and fixing of **HD Waist Twister.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1460 x 1310 x 1150 mm. Weight: 39.1 Kg Safety Area: 4360 x 4510 mm Capacity_3 Persons.				-
		1	1.00	130000	No,s	130,000.00
17	Supply and Fixing of **Rider.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.. Size_L x W x H): 910 x 655 x 1270 mm. Weight: 29.5 Kg Safety Area: 3310 x 3000 mm Capacity_1 Person.				-
		1	1.00	90000	No,s	90,000.00
18	Supply and Fixing of **Arm & Pedal Bike**. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Size_L x W x H): 830 x 500 x 1450 mm. Weight: 32 Kg Safety Area: 3830 x 2900 mm Capacity_1 Persons.				-
		1	1.00	170000	No,s	170,000.00
19	Supply and fixing of **Self Weighted Rower.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must carry a GS mark on it.. Size_L x W x H): 1390 x 805 x 1100 mm. Weight: 42.4 Kg Safety Area: 3790 x 3205 mm Capacity_1 Person.				-
		1	1.00	165000	No,s	165,000.00

	Supply and fixing of **HD Health Walker.** Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipp[illegible]. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.SizeL x W x H): 1065 x 615 x 1364 mm. Weight: 51Kg. Safety Area: 4090 * 3555mm. Capacity 1 Person								-
		1				1.00	140000	No,s	140,000.00
21	Providing and fixing ornamental delhi benches as per design specification and fixing as per the direction of Engineer in charge of work								
		10				10.00	8500	No,s	85,000.00
22	Providing and fixing granite benches as per design specification and fixing as per the direction of Engineer in charge of work								
		10				10.00	10550	No,s	105,500.00
23	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works								-
		5				5.00	4800	No,s	24,000.00
24	Supply and fixing safety instruction board with BBMP Logo and company of manufacturing Logo finished product should have the following specification 1 inch *16 gauge sq metal frame, 2 inch by 16 gauge round pipe powder coated ,Fittings and clamps suited flex 2 print, sq pipe frame 1.2m x0.3m, round 3.48m by 2 inches * 16 gauge – 2 nos, flex print - 1 nos with safety instructions.								-
		1				1.00	15332	No,s	15,332.00
25	KSRB 14.6-1: Providing and resetting of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P.No 101 of I.No.14.6 in PW,P&IWTD SR 2015-16)								
	Park Area	1	250.00	2.00		500.00			
	30% qty of Missing and Damaged portion					150.00			
					Total	**350.00**	457.92	Sqm	160,272.00
	Basic Rate	432.00							
	Area weightage @ 6%	25.92							
	Total	457.92							
26	KSRB 14.6-1: Providing and fixing of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P.No 101 of I.No.14.6 in PW,P&IWTD SR 2015-16)								
	30% qty of Missing and Damaged portion					150.00			
					Total	**150.00**	966.72	Sqm	145,008.00
	Basic Rate	912.00							
	Area weightage @ 6%	54.72							
	Total	966.72							
27	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (P. No. 43 / I. No. 7.37 of CSR 2015-16)								
	Gate	1	3.00	1.70		5.10			
					Total	**5.10**	3110.04	Sqm	15,861.00
	Basic Rate	2934.00							
	Area weightage @ 6%	176.04							
	Total	3110.04							

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
28	Removing and resetting Mangalore tiles and replacing broken ones wherever necessary (excluding cost of new tiles). 3.9 45.63								
		6	1 0.5	10.00	3.9	60.00			
	Deduct 50% Missing Qty	8	1	5.00		40.00	22.82		387.00
		14	1	2.00		28.00			
					Total	128.00	16.96	Sqm	2,171.00
	Basic Rate	16.00				22.82			
	Area weightage @ 6%	0.96							
	Total	16.96							
29	Supplying and fixing new Mangalore tiles on existing reepers. (P.No.256, I.No.37.15 of PWD SR 2015-16)								
	Missing Qty	6	1	10		60	22.82		
		8	1	5		40			8779.00
		14	1	2		28			
					Total	128.00	384.78	Sqm	49,252.00
	Basic Rate	363.00				22.82			
	Area weightage @ 6%	21.78							
	Total	384.78							
30	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 10 kms) complete with all lead & lift & as per the direction of the Engineer in charges. (S.R.of PW,P & IWTD, SR 2016-								
	For 10k.m	10x1.3x2=		26.00					
	Loading & unloading			68.00					
				94.00					
	A.W 6% =			5.64					
	Total =			99.64		20.54			
	Qty item No.1 , 2					23.50			
					Total	23.50	99.64	cum	2,341.84 2046.66
									2,282,522.66 2283019.73
							KRIDL Charges 9%		205,427.04 2054178
							Third party and QC Charges 0.5%		11,412.61 11415.10
							Miscellaneous		637.69 93.40
							GRAND TOTAL Rs.		2,500,000.00

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per C.S.R. of 2016-17 & approved data rate.
3. This provisions were made in this estimate are necessary and adequate
4. This work comes under B.B.M.P limits

Asst. Engineer
BBMP

8/3/17

Asst. Executive Engineer Project
Yelahanka Zone, BBMP

Executive Engineer project
Yelahanka Zone
BBMP
8/3/17.

Administrative Approval

Accorded For .....
Head of A/C..... P-3089
CER NO :..07/16-17 Dt:..18-03-17

E.E. (Project) 18/3

Technical Sanction

Accorded For ..25.00 lakh Rs
Head of A/C.....P3089
CER NO :..189... Dt:..20/03/17

TA CE (YNK)